



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Oil Trust Fund
Sample Collection Date(s)-- 08/04/10
Contact----- Rich Mayer (6PD-F)
Report Date-----08/10/10
Project #----- 10REG224
Work Order(s)-----1008014

Analyses included in this report:

LC DOSS

Report Narrative

DOSS was not found at or above the reporting limit for the samples in this work order.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund

Project Number: 10REG224

Data Management Coordinator: Christy Warren

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T005-1333-100804-SW-1	1008014-01	Liquid	8/4/10 9:15	08/05/10 09:40
T005-C-100804-RB-1	1008014-02	Liquid	8/4/10 9:15	08/05/10 09:40
T007-0003-100804-SW-1	1008014-03	Liquid	8/4/10 9:30	08/05/10 09:40
T001-1361-100804-SW-1	1008014-04	Liquid	8/4/10 9:30	08/05/10 09:40



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008014-01

Station ID: T005-1333-100804-SW-1

Batch: B0H0504

Date Collected: 08/04/10

Sample Type: Liquid

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	161		92.6	50-150	08/05/10	08/05/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diocetyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/05/10	08/05/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008014-02

Station ID: T005-C-100804-RB-1

Batch: B0H0504

Date Collected: 08/04/10

Sample Type: Liquid

Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	173		99.4	50-150	08/05/10	08/05/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/05/10	08/05/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008014-03

Station ID: T007-0003-100804-SW-1

Batch: B0H0504

Date Collected: 08/04/10

Sample Type: Liquid

Sample Volume: 22 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	186		102	50-150	08/05/10	08/05/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/05/10	08/05/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008014-04

Station ID: T001-1361-100804-SW-1

Batch: B0H0504

Date Collected: 08/04/10

Sample Type: Liquid

Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: DOSS-D34</i>	173		104	50-150	08/05/10	08/05/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diethyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/05/10	08/05/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H0504

Sample Type: Liquid

Blank (B0H0504-BLK1)

Prepared: 8/5/2010 Analyzed: 8/5/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	183		200	91.6 50-150

Blank (B0H0504-BLK1)

Prepared: 8/5/2010 Analyzed: 8/5/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	U		20.0		

LCS (B0H0504-BS1)

Prepared: 8/5/2010 Analyzed: 8/5/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	193		200	96.3 50-150

LCS (B0H0504-BS1)

Prepared: 8/5/2010 Analyzed: 8/5/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	97.5		20.0	87.5	111 50-150	



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H0504

Sample Type: Liquid

Matrix Spike (B0H0504-MS1)

Source: 1008014-03

Prepared: 8/5/2010 Analyzed: 8/5/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	186		182	102 50-150

Matrix Spike (B0H0504-MS1)

Source: 1008014-03

Prepared: 8/5/2010 Analyzed: 8/5/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	97.0		20.0	79.5		122 50-150	

Matrix Spike Dup (B0H0504-MSD1)

Source: 1008014-03

Prepared: 8/5/2010 Analyzed: 8/5/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: DOSS-D34</i>	193		211	91.5 50-150

Matrix Spike Dup (B0H0504-MSD1)

Source: 1008014-03

Prepared: 8/5/2010 Analyzed: 8/5/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC Limits	RPD RPD Limit
Diocetyl sulfosuccinate, sodium salt	106		20.0	92.1		115 50-150	8.68 30





Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099

Phone:(281)983-2100 Fax:(281)983-2248

Page 1 of 1

Kristie Warr

713-985-6600

US EPA/Weston

Venice, LA

CHAIN OF CUSTODY RECORD

R06 Deep H2O Horizon Reporting

Lab: EP, Houston Lab

Lab 5: TX

0001-100405-20100804-003

Job Address: ~~Top~~ 25 Fallstone Rd

Lab_City: Houston

Lab_Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collection Date	Period	Sample Time	Number	Container	Description
	T001-1361-100804-SW-1	DOSS	Surface Water	Gravimetric	2010	10:00		2		Shipping document into resealable bag. Remove adhesive liner from flap and seal. Place pouch to front of packaging away from front of box.

Special Instructions: 5-Day Turnaround

SAMPLES TRANSFERRED FROM

MIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Passo
1 Chest	G. Roehen	8/4/10	W. H. H.	8-4-10	1718	
	Wilkin H.	8-4-10	W. H. H.	8/4/10	2145	
	W. H. H.	8/5/10	W. H. H.	8/5/10	0500	
	W. H. H.	8/5/10	W. H. H.	8-5-10	910	

Requisitioned by
Month - A

8-510
9:40

Isaiah
Harris

8/5/10 9:40

Sample Temp: 2°C



Environmental Protection Agency
Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.